

Figure 1

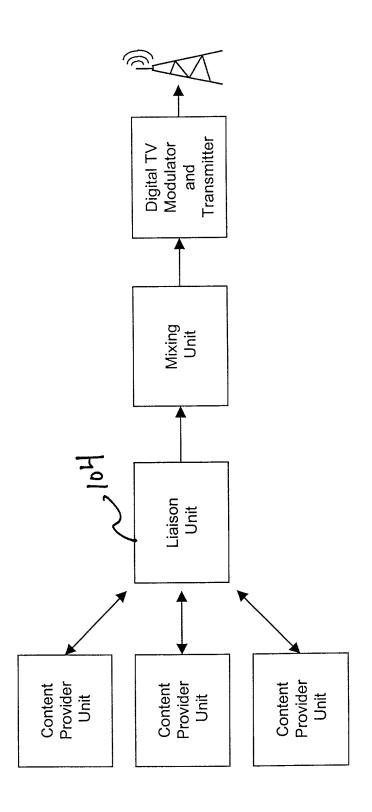


Figure 2

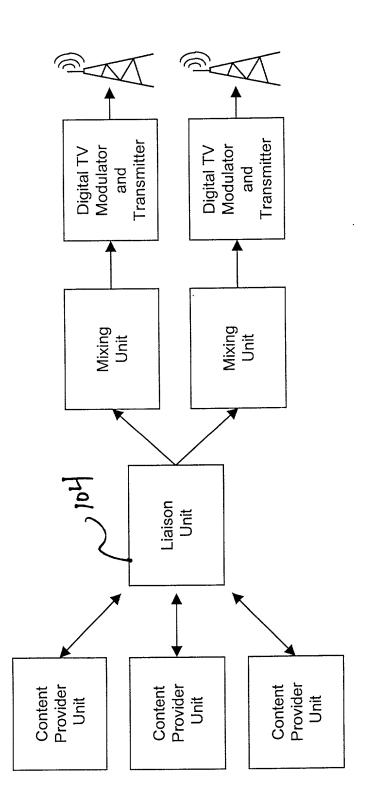


Figure 3

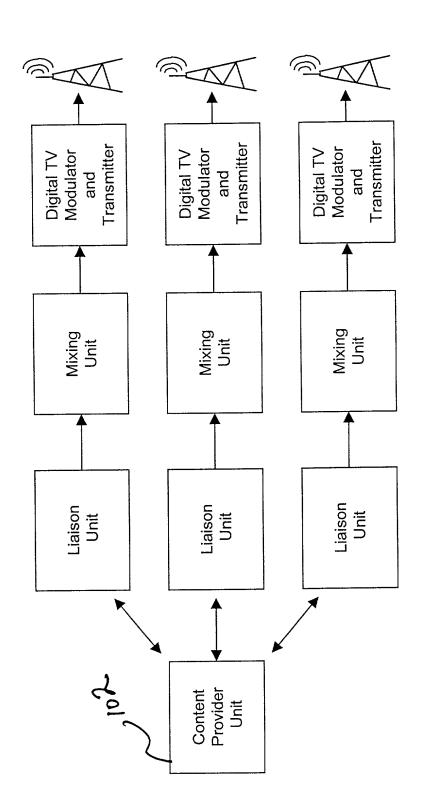


Figure 4

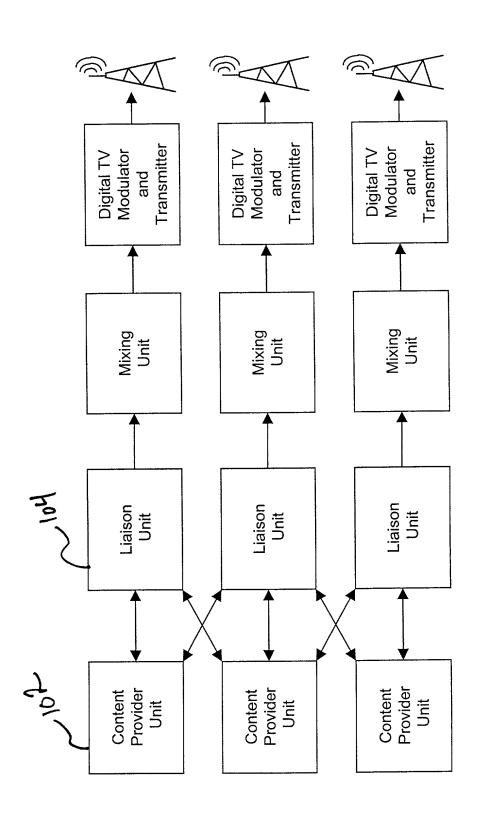


Figure 5

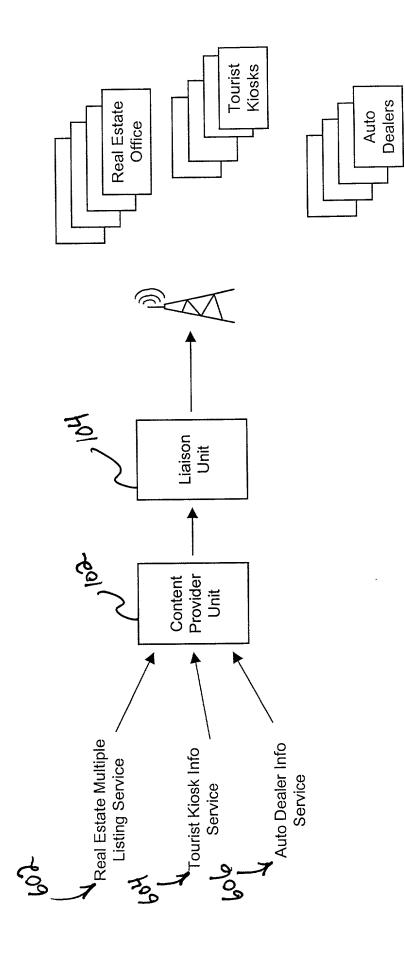
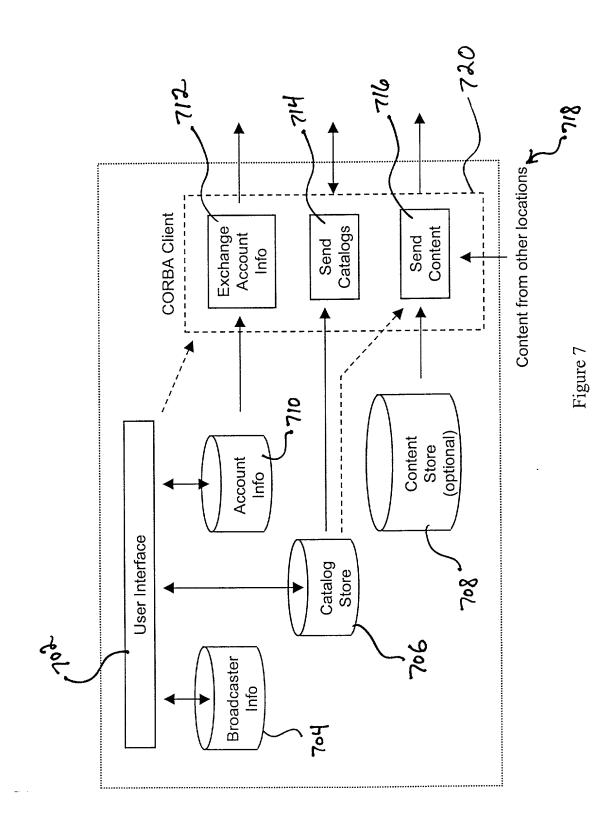
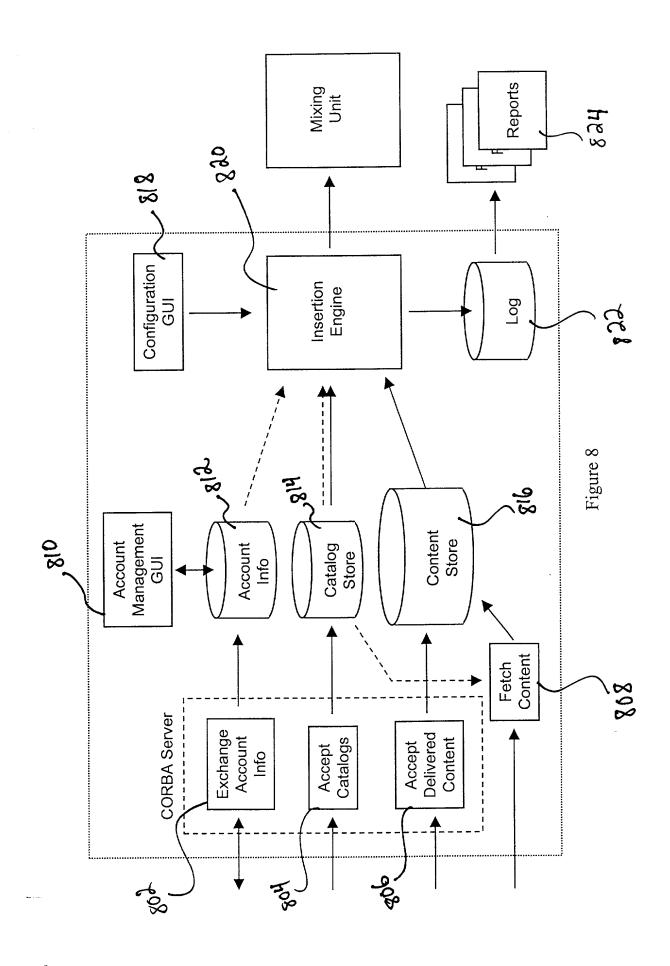


Figure 6





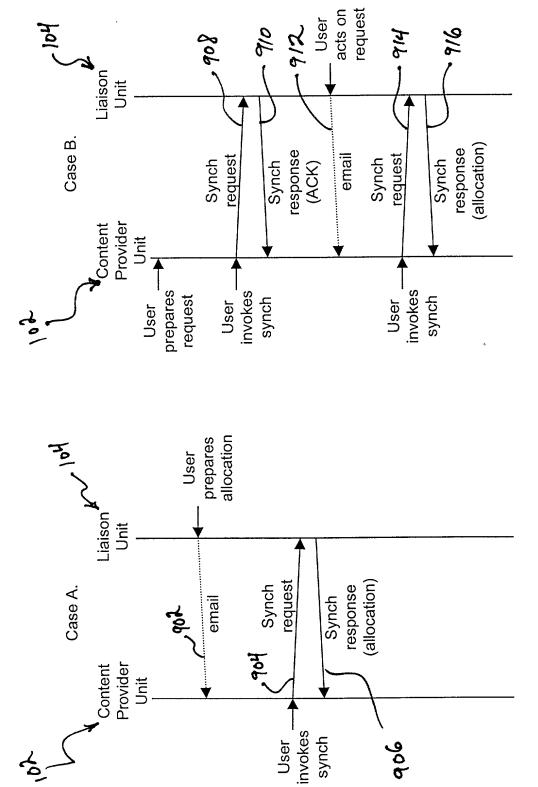
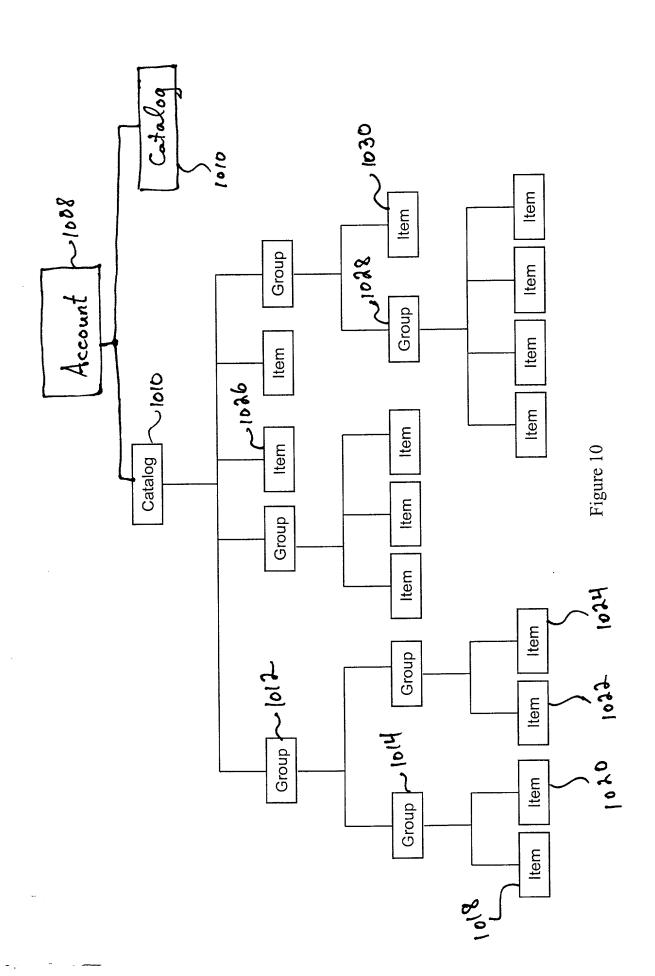
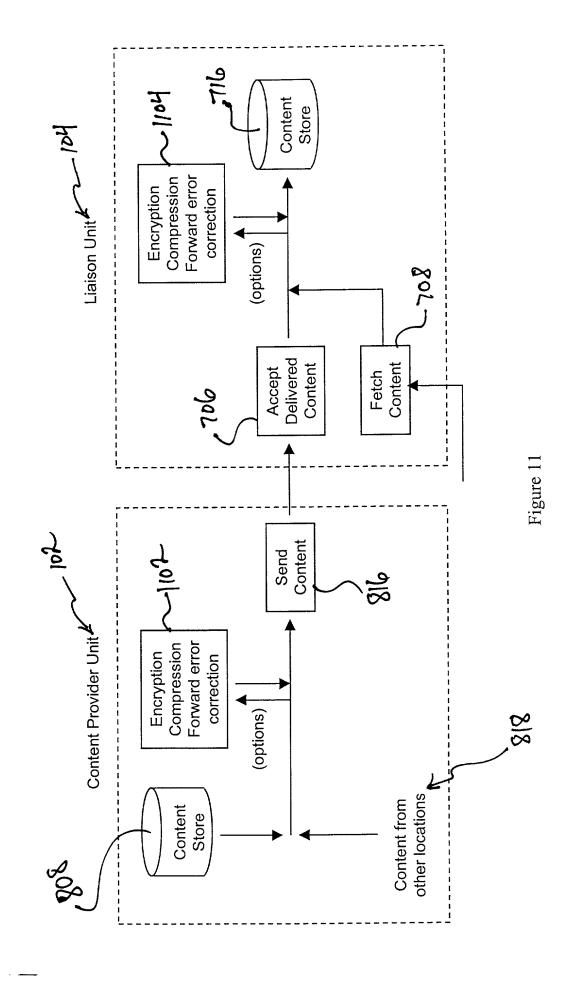
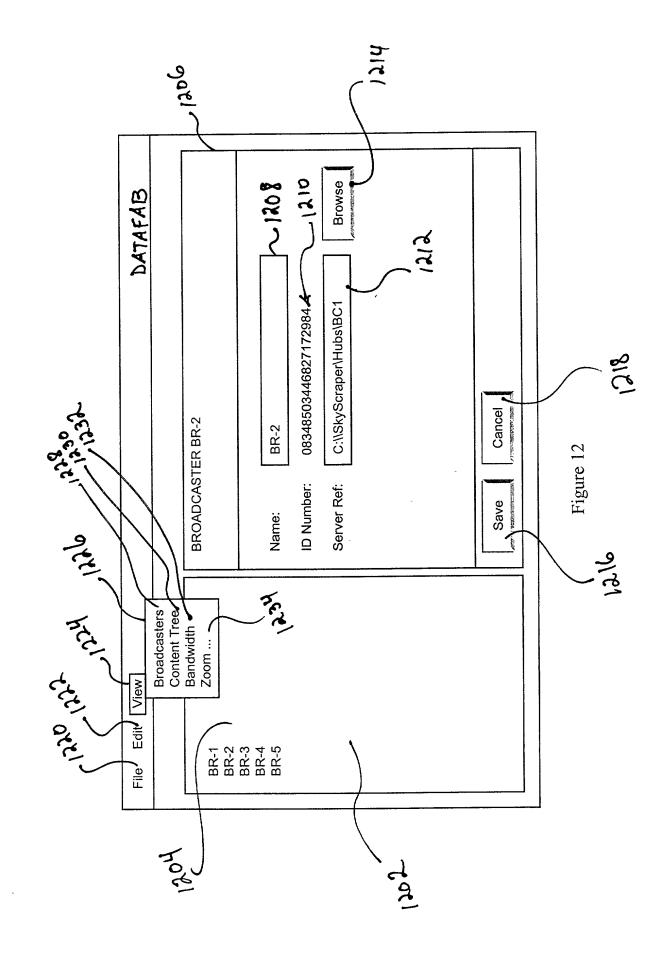


Figure 9







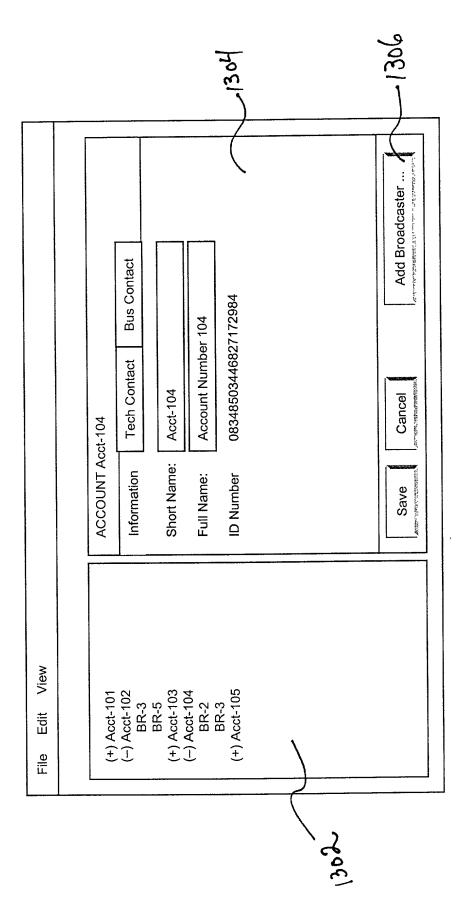
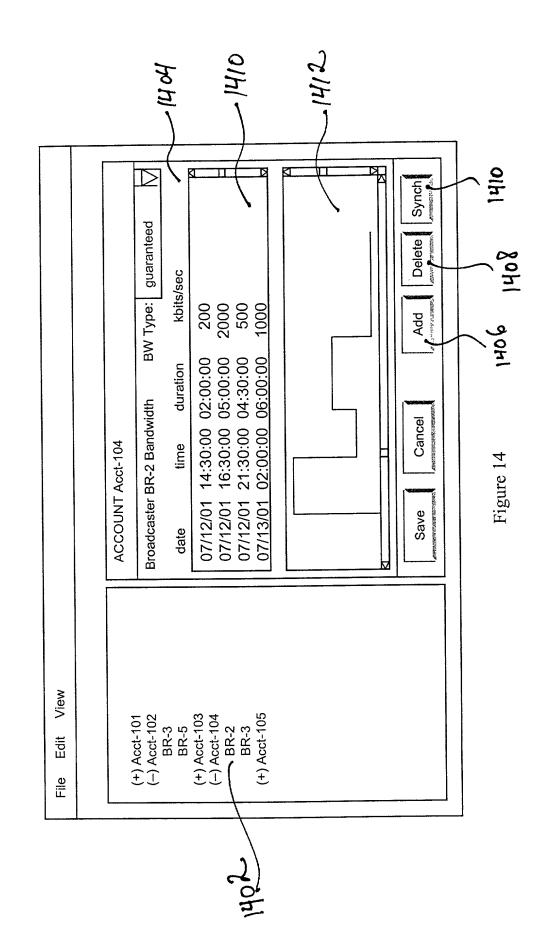


Figure 13



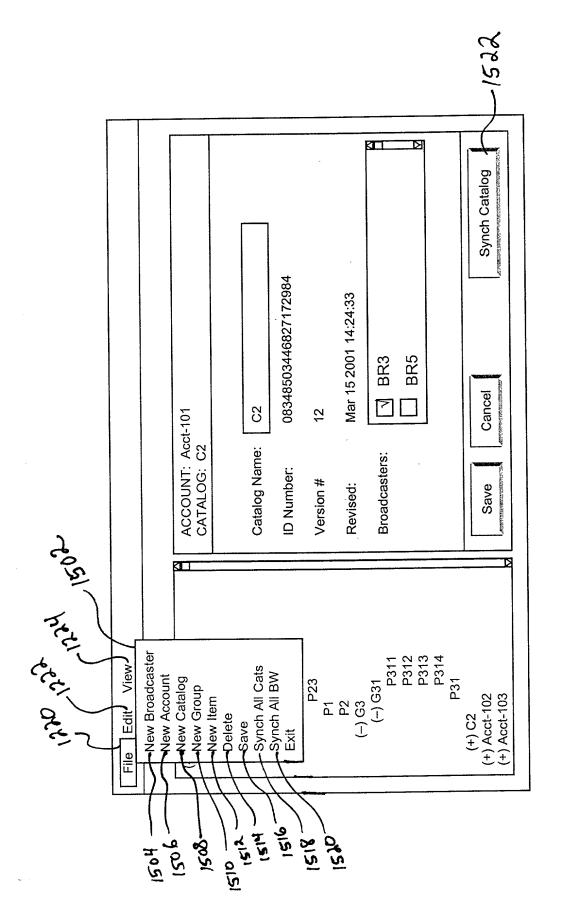


Figure 15

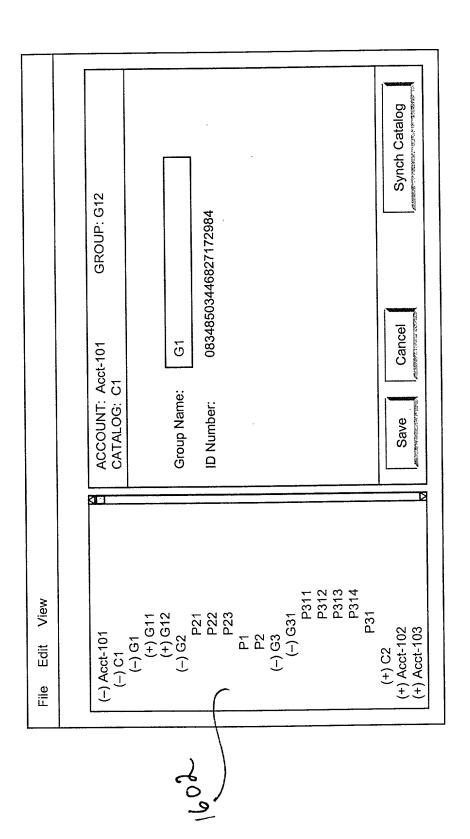


Figure 16

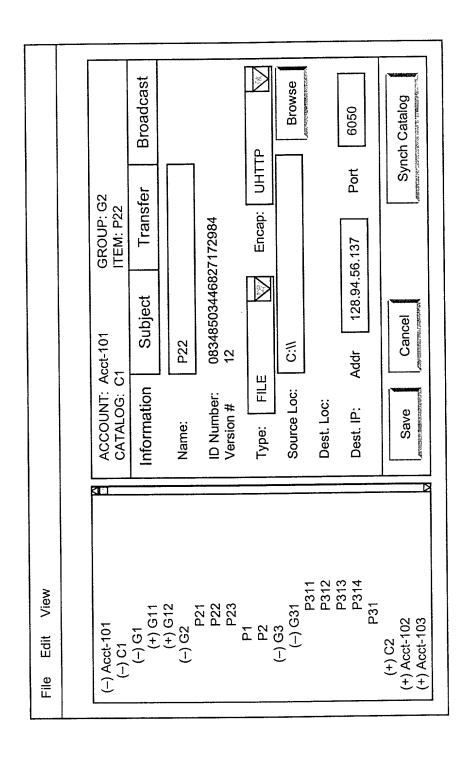


Figure 17

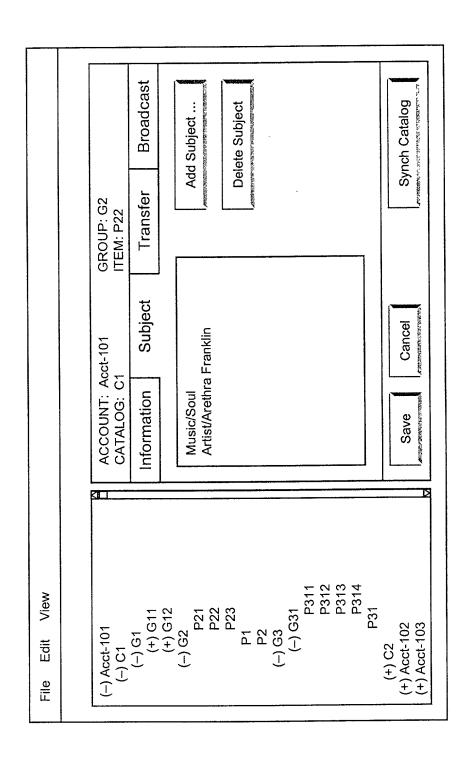


Figure 18

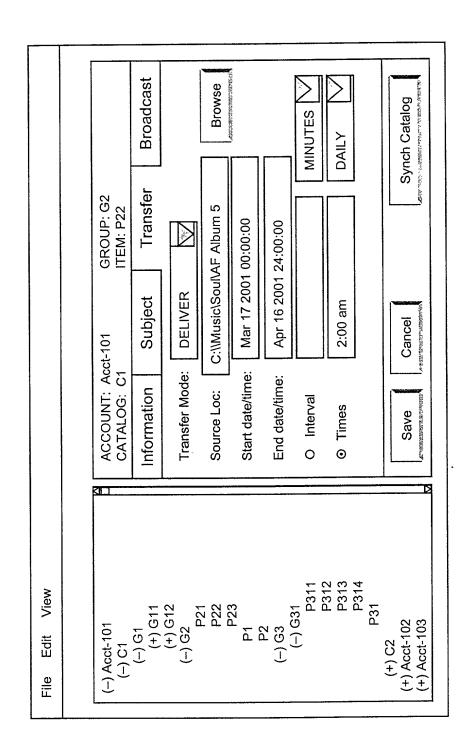


Figure 19

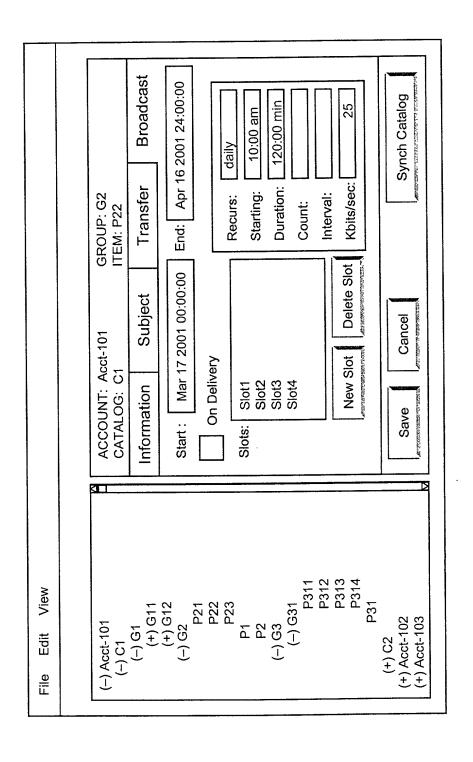
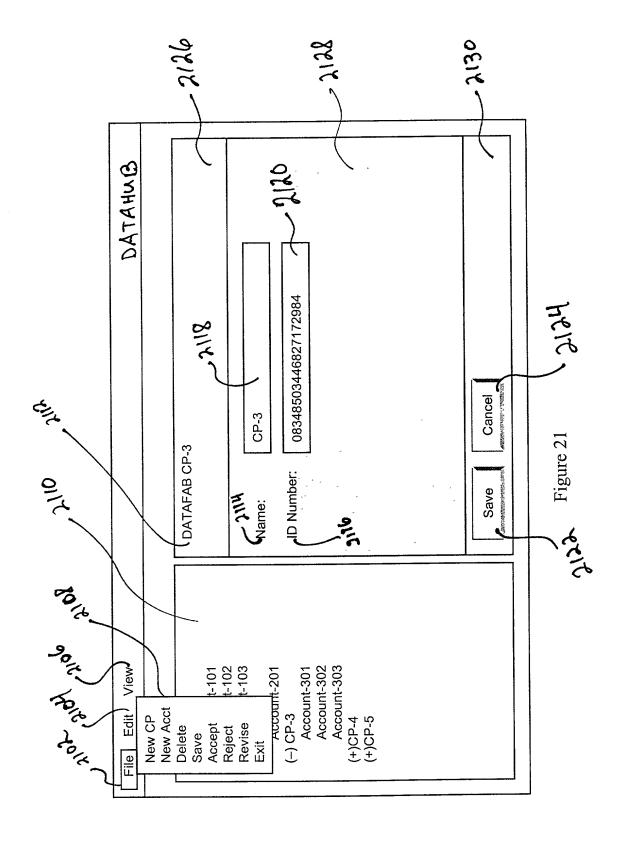


Figure 20



		DATA HUS
(–)CP-1	ACCOUNT Acct-301	
Acct-101 Acct-102	Information Tech Contact	Bus Contact Bandwidth
Acct-103 (+)CP-2	Short Name: Acct-301	
(=)CF-3 Acct-301	Full Name: Account Number 301	ser 301
Acct-302 Acct-303	ID Number 08348503446827172984	327172984
(+)CP-5 (+)CP-5	CP ID # 06734829133325857488	325857488
	Output I/F DVB-ASI	PID 0x130F
	IP Dest. Addr 128.94.56.137	.56.137 Port 6050
	-	
	Save Cancel Cancel	

Figure 22

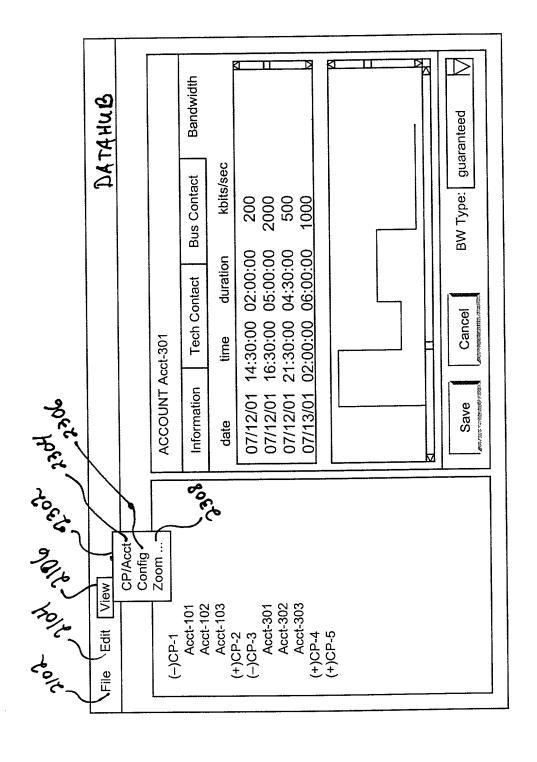


Figure 23

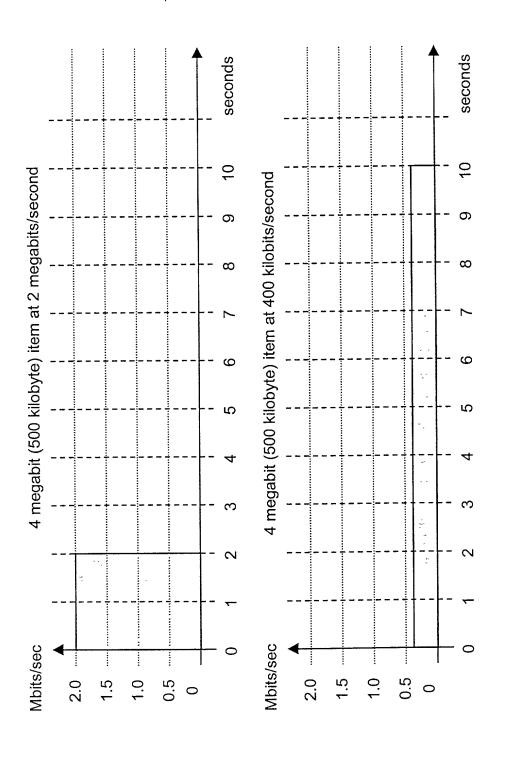


Figure 24

Bandwidth limit for account: 320,000 bits/sec (40,000 bytes/sec)

Item A: size 8,000,000 bytes, start time 3:00 pm, duration 30 minutes; interval 10 minutes (timed)

Item B: size 8,000,000 bytes, start time 3:00 PM, duration 30 minutes (non-timed)

3:30 pm 3:20 pm 3:10 pm 3:00 pm

Item A gets broadcast 3 times. Item B gets broadcast 6 times.

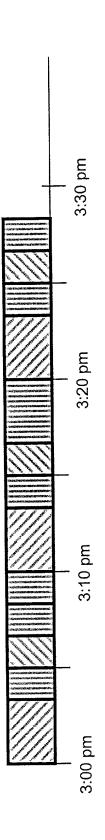
Figure 25

Bandwidth limit for account: 320,000 bits/sec (40,000 bytes/sec)

Item A: size 8,000,000 bytes, start time 3:00 pm, duration 30 minutes; interval 10 minutes (timed)

Item B: size 8,000,000 bytes, start time 3:00 PM, duration 30 minutes (non-timed)

Item C: size 4,000,000 bytes, start time 3:05 pm, duration 30 minutes; interval 10 minutes (timed)



Item A gets broadcast 3 times. Item B gets broadcast 4 times. Item C gets broadcast 3 times.

Figure 26

Bandwidth limit for account: 320,000 bits/sec (40,000 bytes/sec)

Item A: size 8,000,000 bytes, start time 3:00 pm, duration 30 minutes; interval 10 minutes (timed)

Item B: size 8,000,000 bytes, start time 3:00 PM, duration 30 minutes (non-timed)

Item C: size 4,000,000 bytes, start time 3:05 pm, duration 30 minutes; interval 10 minutes (timed)

Item D: size 8,000,000 bytes, start time 3:00 pm, duration 30 minutes (non-timed)

3:30 pm 3:20 pm 3:10 pm 3:00 pm

Item A gets broadcast 3 times. Item B gets broadcast 2 times. Item C gets broadcast 3 times. Item D gets broadcast 1 time.

Figure 27

Parameters Specified				Behavior	
Interval	Bitrate	Duration	Count		
Y	Y	Y	Y	If Interval < Size/Bitrate, set Interval = Size/Bitrate.	
				Ignore Count. Broadcast at Interval using Bitrate, for Duration (timed).	
Y	Y	Y	N	If Interval < Size/Bitrate, set Interval = Size/Bitrate.	
				Broadcast at Interval using Bitrate, for Duration (timed).	
Y	Y	N	Y	If Interval < Size/Bitrate, set Interval = Size/Bitrate.	
				Broadcast at Interval using Bitrate, Count times (timed).	
Y	Y	N	N	If Interval < Size/Bitrate, set Interval = Size/Bitrate.	
				Broadcast at Interval using Bitrate, indefinitely (timed).	
Y	N	Y	Y	Set Bitrate = account bitrate.	
				If Interval < Size/Bitrate, set Interval = Size/Bitrate.	
				Ignore Count. Broadcast at Interval using Bitrate, for Duration (timed).	
Y	N	Y	N	Set Bitrate = account bitrate.	
_				If Interval < Size/Bitrate, set Interval = Size/Bitrate.	
				Broadcast at Interval using Bitrate, for Duration (timed).	
Y	N	N	Y	Set Bitrate = account bitrate.	
				If Interval < Size/Bitrate, set Interval = Size/Bitrate.	
				Broadcast at Interval using Bitrate, Count times (timed).	
Y	N	N	N	Set Bitrate = account bitrate.	
				If Interval < Size/Bitrate, set Interval = Size/Bitrate.	
				Broadcast at Interval using Bitrate, indefinitely (timed).	

Parameters Specified				Behavior	
Interval	Bitrate	Duration	Count		
N	Y	Y	Y	Set Interval = Duration/Count.	
				If Interval < Size/Bitrate, set Interval = Size/Bitrate.	
				Broadcast at Interval using Bitrate, for Duration (timed).	
N	Y	Y	N	Set Interval = Size/Bitrate.	
				Broadcast at Interval using Bitrate, for Duration (timed).	
N	Y	N	Y	Set Interval = Size/Bitrate.	
				Broadcast at Interval using Bitrate, Count times (timed).	
N	Y	N	N	Set Interval = Size/Bitrate.	
				Broadcast at Interval using Bitrate, indefinitely (timed).	
N	N	Y	Y	Set Bitrate = account bitrate. Set Interval =	
				Duration/Count.	
				If Interval < Size/Bitrate, set Interval = Size/Bitrate.	
				Broadcast at Interval using Bitrate, for Duration.	
N	N	Y	N	Broadcast for Duration (non-timed).	
N	N	N	Y	Broadcast Count times (non-timed).	
N	N	N	N	Broadcast indefinitely (non-timed).	

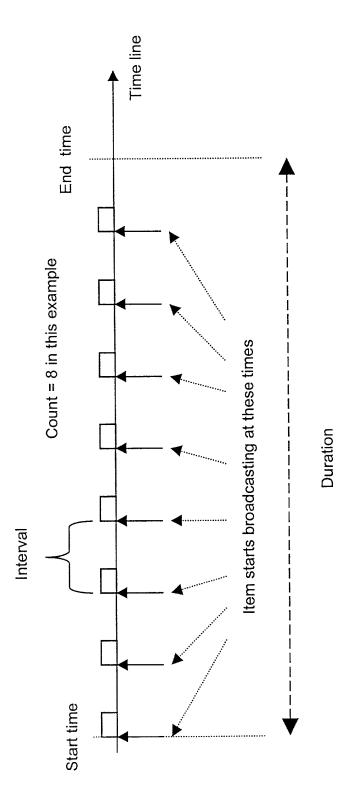


Figure 29

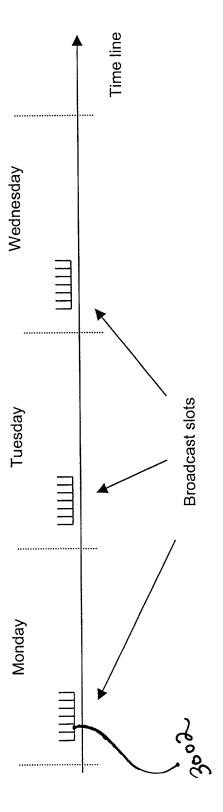


Figure 30

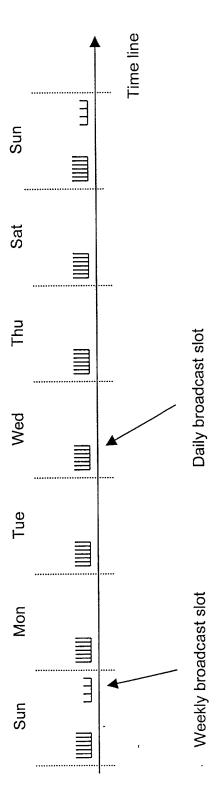
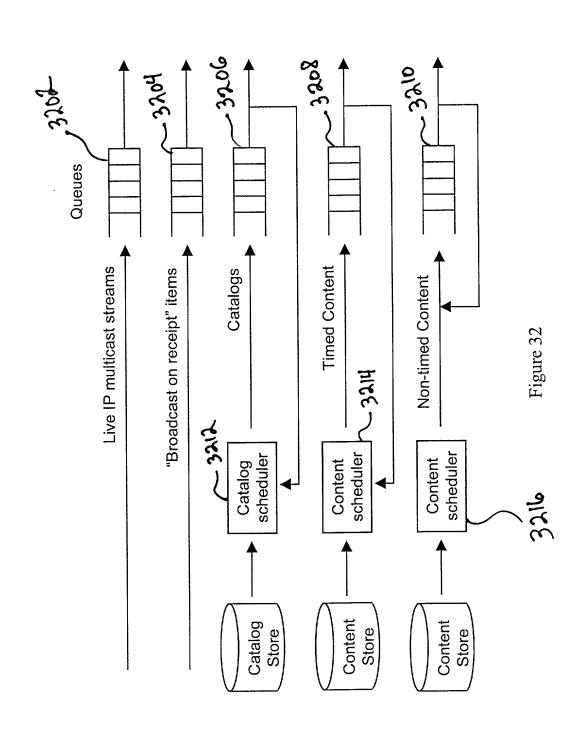


Figure 31



Example: Account bitrate limit: 500 kbits/sec (62,500 bytes/sec)
Time slice: 200 millisecond (0.2 second)
Can broadcast up to 12,500 bytes during timeslice

Disposition of items	5,000 bytes taken; rest of item remains on queue in same position	All 4,000 bytes taken; item is taken off of queue	2,500 bytes taken; rest of item remains on queue in same position	500 bytes taken; rest of item remains on queue in same position
Items in combined queues (in order of overallpriority)	Item A	Item B	Item C	Item D
	Size: 15,000 bytes	Size: 4,000 bytes	Size: 4,000 bytes	Size: 20,000 bytes
	Bitrate limit: 200 kbits/sec (25,000 bytes/sec, 5,000 bytes/slice)	Bitrate limit: none specified	Bitrate limit: 100 kbits/sec (12,500 bytes/sec, 2,500 bytes/slice)	Bitrate limit: none specified

Figure 33

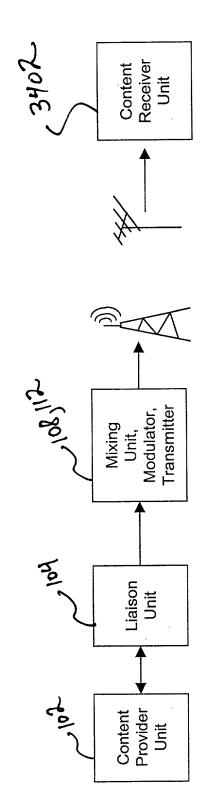


Figure 34

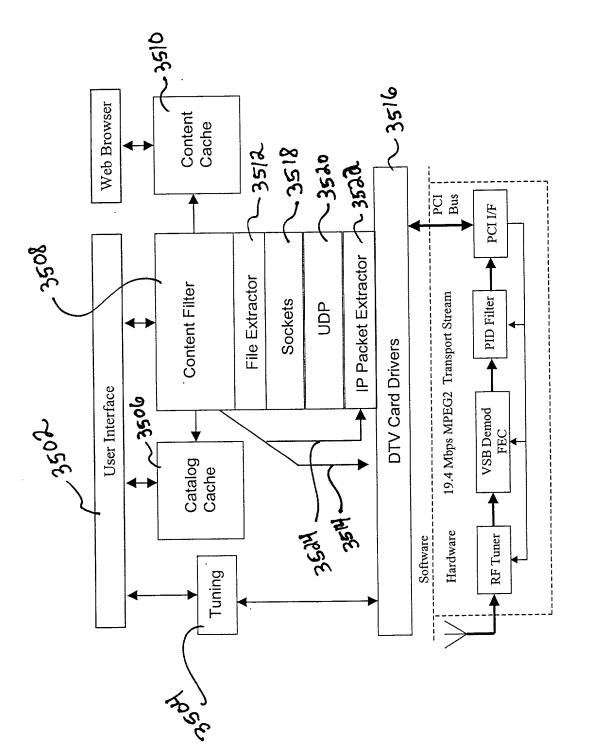
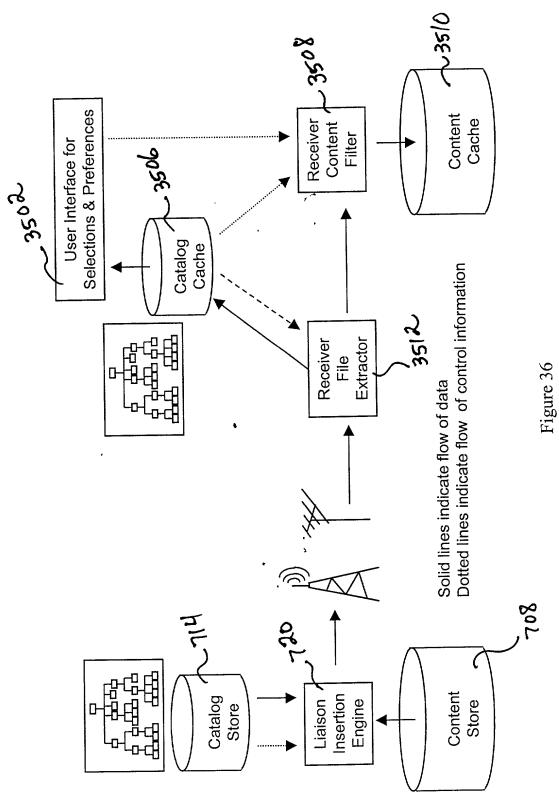


Figure 35



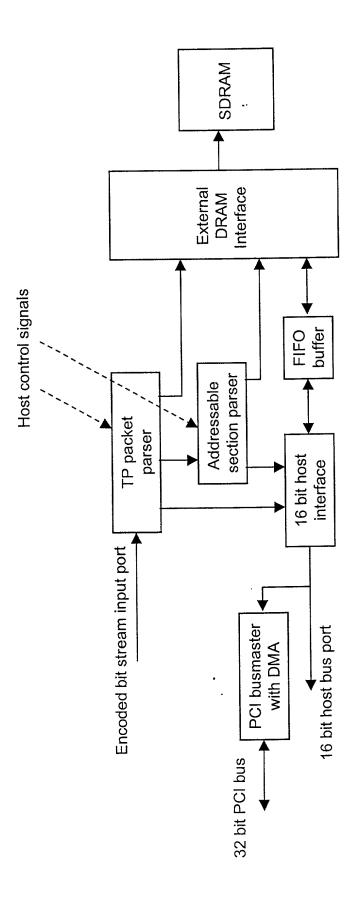


Figure 37

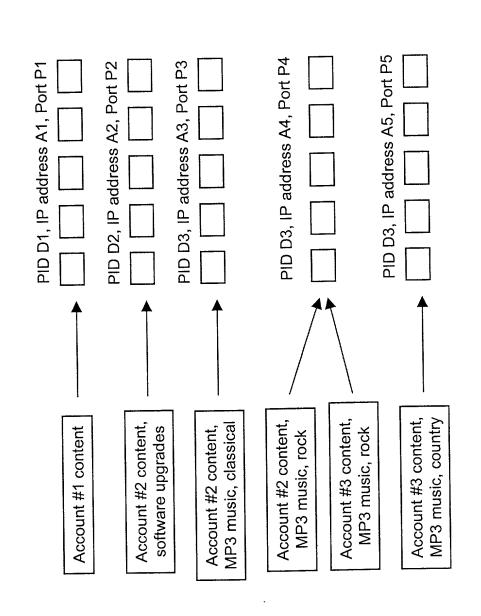


Figure 38

